REFERENCES

1. **AbouZid S F, *et al,* (2010),** "Withaferin A Production by Root Cultures of *Withania coagulans*", *International Journal of Applied Research in Natural Products;* Vol. 3(1), pp. 23-27, March-April 2010.

2. **A. P. Dahake, *et al,*(2009)**, "Withaferin-A isolated from the cell cultures of *Withania Somnifera*" , *Scholars Research Library* Der Pharma Chemica, 2009, 1(2): 109-112.

3. **A. Singh, *et al,*(2011),** "Effect of time on extraction of ashwagandha in various hydro alcoholic compositions and their anti-inflammatory activity" , *international journal of green pharmacy;* January-march2011, page no: 69 to 74.

4. **B.B. Agrawal, *et al,* (2006),** "From traditional Ayurvedic medicine to modern medicine: identification of therapeutic targets for suppression of inflammation and cancer", *Ashley Publications*

5. **B. Bhosale *et al, (*2011*)*** "HPLC Methods of medicinally important plants: a review" , *Imperial J. Pharmacognosy & Natural Products 1(1): June 2011*.

6. **C.P. Sherman Hsu(1998**), "Handbook of Instrumental Techniques for Analytical Chemistry", 7th ed. Chapter 15, *infrared spectroscopy*; page number 247-285.

7. **Divya jyothi, *et al* (2010),** " Optimization of microwave assisted solvent extraction of withanolides from leaves of ashwagandha",*international journal of comprehensive pharmacy;* Pharmacie Globale (IJCP) 2010, 4 (01).

8. **D. Nagavalli, *et al,* (2001),** "Validation of ashwagandha churnam" , *Ancient Science of Life;* Vol No XX (4) April 2001.

9. **G. N. Qazi,(2006),** "Standardization, Quality Control and Safety of Traditional MedicineI", *International Conclave on Traditional Medicine;*New Delhi November 16-17, 2006

10. **Geeta Singh *et al,* (2011),** "Antimicrobial efficacy of alkaloids of Withania somnifera (Ashwagandha) an indigenous medicinal plant against some pathogens", *Journal of Pharmacy Research;* 2011,4(3),807-809.

11. **G. Singh, *et al,* (2009),** "Biological activities of *Withania somnifera*" , *Scholars Research Library;* Annals of Biological Research, 2010, 1 (3) : 56-63

12. **H. Jain, *et al,* (2010),** "Extraction of ashwagandha by conventional extraction methods and evaluation of it's anti-stress activity" ,*international journal of green pharmacy;* July-sep2011, page no: 183 to 185.

13. **Indian pharmacopoeia (2010)**, Published by the Indian pharmacopoeia commission-Ghaziabad; Vol 4, Page no: - 2479.

14. **Javier Palazón *et al* , (2009),** "Steroidal Lactones from *Withania somnifera*, an Ancient Plant for Novel Medicine" *Molecules* 2009*, 14,* 2373-2393; doi:10.3390/molecules 14072373

15. **Joshi BS, Bai Y, Puar MS, Dubose KK, Pelletier SW (1994**) 'H- and 13C-NMR assignmentsfor some pyrrolo[2,1b] quinazoline alkaloids of Adhatoda vasica. Journal of Natural Products 57, 953-962.

16. **Kalaiselvi Senthil, *et al,* (2011),** "A simple method to purify withanolide a from the roots of *Withania somnifera* dunal" *International Journal of Pharma and Bio Sciences*;Vol2/issue2/apr-mar 2011.

17. **K. Pavithra, *et al,* (2008),** "Versatile Antiangiogenic Steroid - Withaferin A" , *Advanced Biotech; page: 27-28.*

18. **Lakshmi-Chandra Mishra, *et al,* (2000),** "Scientific Basis for the Therapeutic Use of *Withania somnifera* (Ashwagandha): A Review" , *Alternative Medicine Review 2000*;5(4) 334-346, Vol-5, number-4, page number-334.

19. **L. Misra*, et al,* (2008)**, "Selective reactivity of 2-mercaptoethanol with 5_,6_-epoxide in steroids from *Withania somnifera*" , *Journal of Science direct*; steroids 73(2008) pp;245–251.

20. **M. K. Rasool, *et al, (2009),*** "evaluation of analgesic, antipyretic and ulcerogenic effect of withaferin A " , *International journal of integrative biology;* Vol.6, No.2, 52-56.

21. **M. Suresh Gupta, *et al,* (2006),** "Immunomodulatory Activity of the Ayurvedic Formulation -Ashwagandha Churna"*, Pharmaceutical Biology;* 2006, Vol. 44, No. 4, pp. 263–265.

22. **N. D. Chaurasiya, *et al,* (2007),** "Analysis of Withanolides in Root and Leaf of Withania somnifera by HPLC with Photodiode Array and Evaporative Light Scattering Detection" , Published online 18 September 2007 in Wiley InterScience, DOI: 10.1002/pca.1029, *Phytochem. Anal.* 19: 148–154 (2008).

23. **Nair *et al,* (2005),** "withanamide and withanolide, composition and method of use there of" *united states patent number*; US/2005/0059727 A1, pub date- 17 march, 2005.

24. **Natural remedies (2009),** "withania somnifera dunal for stress" , *standardise extract of ashwagandha monograph by natural remedies pvt ltd;* 1804ash, august 2009.

25. **Raja Sudharkar s.** ***et al,*** **(2008)** Variation in vasicine contents pharmacognostics characters of morphophytotypes from adhatoda zylenaca medic **,**Journal of plant science 2008,ISSN 1816-4951,Arya vaidhay sala,kolkatta,Kerala, india.

26. **Rajendra C E,** ***et al,*** **(2010),** " HPLC Estimation of Withaferin-A and Boswellic Acid in Formulated Gels" , *International Journal of Pharmaceutical & Biological Archives 2010*; 1(2):183 – 186.

27. **Rajender Singh Sangwan,** ***et al,*** **(2008),** "Withanolide A is inherently de novo biosynthesized in roots of the medicinal plant Ashwagandha (Withania somnifera)" , *Physiologia Plantarum*; 133: 278–287. 2008.

28. **R. Sangvan,** ***et al,*** **(2007),** "Withanolide A Biogeneration in *in Vitro* Shoot Cultures of Ashwagandha (*Withania somnifera* DUNAL), a Main Medicinal Plant in Ayurveda", *Pharmaceutical Society of Japan; Chem. Pharm. Bull.* 55(9) 1371—1375 (2007), page no:1371 to 1375.

29. **R. Kushwaha,** ***et al,*** **(2011)**,"Standardization of Ashwagandharishta formulation by TLC Method" , *International Journal of ChemTech Research;* CODEN(USA): IJCRGG ,Vol. 3, No.3, pp 1033-1036, July-Sept 2011

30. **Sangvan** ***et al*** **, (2006),** "Process for isolation of withaferin-A from the plant material and product there of" *united states patent number* ;US7,108,870 B2, 2006.

31. **Shoma Paul Nandi,** ***et al,*** **(2011),** "Antioxidant and antimicrobial activities of aqueous extract of Withania somnifera against methicillin-resistant Staphylococcus aureus*" , Journal of Microbiology and Biotechnology Research, J. Microbiol. Biotech. Res*; 2011, 1 (1): 40-45.

32. **S. Manoharan,** ***et al,*** **(2009),** "protective effect of withaferin A tumour formation in 7,12-dimethylbenz(a)anthracene induced oral carcinogenesis in hamsters", *Indian journal of experimental biology;* vol.47, january2009,pp 16-23.

33. **S. S. Jirge,** ***et al*** **,(2011)**, "Development and validation of a novel HPTLC method for simultaneous estimation of betasitosteroldglucoside and withaferin a" *, International Journal of Pharmacy and Pharmaceutical Sciences*; Vol 3, Suppl 2, 2011.

34. **S. Verma,** ***et al,*** **(2011),** " Therapeutic uses of withania somnifera (ashwagandha) with a note on withanolides and its pharmacological actions", *Asian Journal of Pharmaceutical and Clinical Research;*Vol. 4, Supply 1, 2011.

35. **T. A. Qureshi** ***et al*****, (2008)** Ovicidal and larvicidal properties of *adhatoda vasica (l.) extra* against gastrointestinal nematodes of sheep in vitro. Pakistan Vet. J., 2008, 28(2): 79-83**.** Department of Veterinary Parasitology; 1Department of Veterinary Pharmacology,Sindh Agriculture University, Tando Jam, Pakistan.

36. **Tsang-Kwong Tsui(1968),** "preliminary Study on the Synthesis of Withaferin A" *A Thesis Submitted to the Facu1ty of Graduate Studies and Research of McGi11 University in Partial Fu1filment of the Requirements for the Degree of Master of Science Department of Chemistry McGill University Montreal*; Quebec Canada October, 1968.

37. **Tushar A. Deshmukh, *et al,* (2010),** "A Rapid Densitometric method for quantification of Wedelolactone in herbal formulations using HPTLC" , *International Journal of Applied Biology and Pharmaceutical Technology;* Volume: I: Issue-2: Aug-Oct -2010.

38. **V. Sharma, *et al,* (2011),** "Withania somnifera: A Rejuvenating Ayurvedic Medicinal Herb for the Treatment of various Human ailments" , *International Journal of Pharm Tech Research;* CODEN (USA) :0974-4304 Vol. 3, No.1, pp 187-192.

39. **Z. A. Khan, *et al,* (2011),** "Possible binding modes of withaferin-a and its analogs in the active site of NNOS molecular docking studies" , *International Journal of Pharma and Bio Sciences;* vol2/issue3/july-sep2011.

40. **Z. A. Khan, *et al,* (2010),** " Involvement of nNOS in the antidepressant-like effect of Withaferin-A in rats", *journal of pharmaceutical and biomedical sciences; JPBMS, 2010, 7 (03).*

41. **Z. A. Khan, *et al,* (2011),** "L-Arginine abolishes the anxiolytic-like effect of withaferin A in the elevated plus-maze test in rats" , *African Journal of Pharmacy and Pharmacology*; Vol. 5(2), pp. 234-237, February 2011.

42. **Z. A. Khan, *et al,* (2010),** "Possible nitric oxide modulation in protective effects of Withaferin A against stress induced neurobehavioural changes", *Journal of Medicinal Plants Research*; Vol. 4(6), pp. 490-495, 18 March, 2010.

43. **Zaved Ahmed Khan, *et al,* (2011),** "L-Arginine abolishes the anxiolytic-like effect of withaferin A in the elevated plus-maze test in rats", *African Journal of Pharmacy and Pharmacology*; Vol. 5(2), pp. 234-237, February 2011...